

ATTACHMENT 6

6.0 BUDGET

The cost estimate for Project 1, Development of a Ground Water Management Plan is shown in Table 1. The cost estimate for Project 2 Development of a Ground Water Recharge Feasibility Study for the Banning Storage Units is shown in Table 2. The estimated level of effort and budget to complete the scope of work totals \$312,295 as presented in the Table 2. The City and other participating agencies will provide in-kind services totaling \$64,415. The grant requested from DWR totals \$247,880.

The scope of work and estimated level of effort assumes that qualified consulting firm(s) familiar with the hydrogeologic setting of the Basin will complete most of the technical work. The consultant's project manager should be a California registered geologist or certified hydrogeologist with several years of experience preparing ground water management plans and developing ground water monitoring networks in California. The project rates used to estimate the project budget are based on the consultant rates used for the recently completed 2010 UWMP completed for the City. The estimated hours by staff level to complete each task is presented in Table 2. City management and staff will participate in the project and coordinate with the project participants, Stakeholders, and DWR. The City will also provide administrative support to complete the public participation and administrative requirements for the project.

Art Vela, P.E., will provide management and will be the City's project manager for the proposed Plan. Mr. Duane Burk, Director of Public Works will provide an additional level of overall project quality assurance as well as practical knowledge and insight of the local conditions.

COST ESTIMATE FOR PROJECT 1 DEVELOPMENT OF A GROUND WATER MANAGEMENT PLAN
City of Banning Proposition 84 Grant Application

Task	Description	GRANT-FUNDED SERVICE (CONSULTANT) [HOURS]											PARTICIPATING AGENCY IN-KIND SERVICES [HOURS]								COST SHARE	
		Principal Hydrologist	Senior Geohydrologist	Senior Modeler	Project Geohydrologist	Project Modeler	Staff Geohydrologist	Technical Illustrator	Clerical	Total Labor	Reimbursable Expenses	Total Consultant Project Cost	Senior Engineer / Project Engineer [Art Vela]	Senior Technical Review [Duane Burk]	Staff Engineer	Admin / Clerical	Total In-Kind Labor Cost	Reimbursable Expenses	Total In-Kind Project Cost	Total Project Cost		
	Hourly Rate:	\$280	\$190	\$190	\$155	\$155	\$115	\$105	\$85				\$71	\$135	\$67	\$33						
1.0	Administrative Requirements of Ground Water Management Plan	18	18	0	18		0	18	6	\$ 13,650	\$ 1,500	\$ 15,150	10	10	0	6	\$ 2,256	\$ -	\$ 2,256	\$ 17,406	\$ 2,256	\$ 15,150
2.0	Public Outreach and Stakeholder Involvement	0	4	0	0	0	0	6	0	\$ 1,390	\$ -	\$ 1,390	10	6	12	0	\$ 2,324	\$ -	\$ 2,324	\$ 3,714	\$ 2,324	\$ 1,390
3.0	Identify Ground Water Issues and Develop Basin Management Objectives	6	24	0	12	0	12	16	0	\$ 11,160	\$ -	\$ 11,160	10	10	0	0	\$ 2,058	\$ -	\$ 2,058	\$ 13,218	\$ 2,058	\$ 11,160
4.0	Prepare Ground Water Management Plan	2	30	0	24	0	60	26	0	\$ 19,610	\$ -	\$ 19,610	2	0	6	6	\$ 743	\$ -	\$ 743	\$ 20,353	\$ 743	\$ 19,610
5.0	Technical Review – QA/QC	6	25	0	0	0	0	0	0	\$ 6,430	\$ -	\$ 6,430	8	6	0	0	\$ 1,376	\$ -	\$ 1,376	\$ 7,806	\$ 1,376	\$ 6,430
6.0	Project Management	0	18	0	0	0	0	0	9	\$ 4,185	\$ -	\$ 4,185	18	0	0	18	\$ 1,869	\$ -	\$ 1,869	\$ 6,054	\$ 1,869	\$ 4,185
Total Hours and Cost		32	119	0	54	0	72	66	15	\$ 56,425	\$ 1,500	\$ 57,925	58	32	18	30	\$ 10,626	\$ -	\$ 10,626	\$ 68,551	\$ 10,626	\$ 57,925

COST ESTIMATE FOR PROJECT 2 DEVELOPMENT OF A GROUND WATER RECHARGE FEASIBILITY STUDY FOR THE BANNING STORAGE UNITS
City of Banning Proposition 84 Grant Application

Task	Description	GRANT-FUNDED SERVICE (CONSULTANT) [HOURS]											PARTICIPATING AGENCY IN-KIND SERVICES [HOURS]								COST SHARE	
		Principal Hydrologist	Senior Geohydrologist	Senior Modeler	Project Geohydrologist	Project Modeler	Staff Geohydrologist	Technical Illustrator	Clerical	Total Labor	Reimbursable Expenses	Total Consultant Project Cost	Senior Engineer / Project Engineer [Art Vela]	Senior Technical Review [Duane Burk]	Staff Engineer	Admin / Clerical	Total In-Kind Labor Cost	Reimbursable Expenses	Total In-Kind Project Cost	Total Project Cost		
	Hourly Rate:	\$280	\$190	\$190	\$155	\$155	\$115	\$105	\$85				\$71	\$135	\$67	\$33						
1.0	Administrative Requirements of Ground Water Recharge and Feasibility Study	18	18	0	24		10	18	6	\$ 15,730	\$ 630	\$ 16,360	14	14	0	6	\$ 3,079	\$ -	\$ 3,079	\$ 19,439	\$ 3,079	\$ 16,360
2.0	Supporting Document Review - Background Data Collection and Review	0	4	0	16	0	60	0	0	\$ 10,140	\$ -	\$ 10,140	26	0	0	50	\$ 3,494	\$ -	\$ 3,494	\$ 13,634	\$ 3,494	\$ 10,140
3.0	Analyze Potential Storm Flow Capture, Recycled Water, and Imported Water Volumes	2	0	4	16	0	24	16	0	\$ 8,240	\$ -	\$ 8,240	10	0	14	0	\$ 1,648	\$ -	\$ 1,648	\$ 9,888	\$ 1,648	\$ 8,240
4.0	Construct "Basemap" of Project Area	0	4	0	4	0	8	12	2	\$ 3,730	\$ -	\$ 3,730	6	0	0	0	\$ 425	\$ -	\$ 425	\$ 4,155	\$ 425	\$ 3,730
5.0	Field Reconnaissance	0	2	0	12	0		0	0	\$ 2,240	\$ -	\$ 2,240	10	8	8	6	\$ 2,524	\$ -	\$ 2,524	\$ 4,764	\$ 2,524	\$ 2,240
6.0	Assess Field Parameters Based on Pumping Tests	1	2		0	0	16	0	0	\$ 2,500	\$ -	\$ 2,500	10	4	8	0	\$ 1,785	\$ -	\$ 1,785	\$ 4,285	\$ 1,785	\$ 2,500
7.0	Construct GIS Database of Well Data	2	4	0	12	0	24	36	0	\$ 9,720	\$ -	\$ 9,720	20	14	8	6	\$ 4,041	\$ -	\$ 4,041	\$ 13,761	\$ 4,041	\$ 9,720
8.0	Construct "Layered" Geohydrologic Basemap	0	2	0	8	0	10	8	0	\$ 3,610	\$ -	\$ 3,610	20	10	18	6	\$ 4,173	\$ -	\$ 4,173	\$ 7,783	\$ 4,173	\$ 3,610
9.0	Identify Data Gaps	2	4	0	0	0	4	2	0	\$ 1,990	\$ -	\$ 1,990	36	10	0	0	\$ 3,897	\$ -	\$ 3,897	\$ 5,887	\$ 3,897	\$ 1,990
10.0	Refine USGS Regional Ground Water Model	4	0	40	0	60	40	24	0	\$ 25,140	\$ -	\$ 25,140	20	10	26	0	\$ 4,512	\$ -	\$ 4,512	\$ 29,652	\$ 4,512	\$ 25,140
11.0	Develop a Watershed Model	6	0	60	0	35	18	0	0	\$ 20,575	\$ -	\$ 20,575	20	10	26	0	\$ 4,512	\$ -	\$ 4,512	\$ 25,087	\$ 4,512	\$ 20,575
12.0	Develop a Hydrologic Water Balance	0	6	20	16	25	32	16	0	\$ 16,655	\$ -	\$ 16,655	20	10	26	0	\$ 4,512	\$ -	\$ 4,512	\$ 21,167	\$ 4,512	\$ 16,655
13.0	Run Selected Scenarios for the Surface and Ground Water Model	12	0	70	12	45	8	12	0	\$ 27,675	\$ -	\$ 27,675	28	18	40	0	\$ 7,098	\$ -	\$ 7,098	\$ 34,773	\$ 7,098	\$ 27,675
14.0	Preparation of Ground Water Recharge Feasibility Report	6	60	0	80	0	80	32	4	\$ 38,380	\$ 3,000	\$ 41,380	28	18	40	30	\$ 8,091	\$ -	\$ 8,091	\$ 49,471	\$ 8,091	\$ 41,380
Total Hours and Cost		53	106	194	200	165	334	176	12	\$ 186,325	\$ 3,630	\$ 189,955	268	126	214	104	53789.42	\$ -	\$ 53,789	\$ 243,744	\$ 53,789	\$ 189,955

		TOTAL PROJECT 1 AND 2 GRANT-FUNDED SERVICE (CONSULTANT)											TOTAL PROJECT 1 AND 2 PARTICIPATING AGENCY IN-KIND SERVICES							Total Project Cost	COST SHARE		
		Principal Hydrologist	Senior Geohydrologist	Senior Modeler	Project Geohydrologist	Project Modeler	Staff Geohydrologist	Technical Illustrator	Clerical	Total Labor	Reimbursable Expenses	Total Consultant Project Cost	Senior Engineer / Project Engineer [Art Vela]	Senior Technical Review [Duane Burk]	Staff Engineer	Admin / Clerical	Total In-Kind Labor Cost	Reimbursable Expenses	Total In-Kind Project Cost		Local Agency Funded	Grant Funded	
Total Hours and Cost for Tasks 1- 6 for the Ground Water Management Plan and Tasks 1 - 13 for the Recharge Feasibility Study		85	225	194	254	165	406	242	27	\$ 242,750	\$ 5,130	\$ 247,880	326	158	232	134	\$ 64,415	\$ -	\$ 64,415	\$ 312,295	\$ 64,415	\$ 247,880	